

AMENDMENTS TO THE SPECIFICATION

Please amend the specification paragraph starting on page 8, line 12:

When requiring the viewing zone to be positioned in a vertical or horizontal direction, the prism cells can be applied to have various embossing or engraving shapes according to the number of the viewing zones. In other words, when the number of the viewing zones is 2, the prism cell has a triangle shape (a), when the number of the viewing zones is 3, the prism cell has a dove shape (b), when the number of the viewing zones is 4, the prism cell has a tetragonal type (d), when the number of the viewing zones is 5, the prism cell has a pentagonal type (d), and etc. The length of the prisms is at least the same as or longer than the height of the image projection screen. In addition, it is preferred that the width of the prism cells is narrower than a width of one pixel which is projected on the image projection screen in case that the prism cell has 2-dimensional arrangement. It is the reason that the resolution thereof would be degraded when the width is larger than a single pixel size. However, the width and the number of the disperse surfaces should be selected to minimize the diffraction phenomena because the viewing zone of each viewing point can be overlapped by the diffraction according to each disperse surface in case of multi-viewing zone image when a pitch or width of the disperse surface is too small.

Please amend the specification paragraph starting on page 9, line 4:

Additionally, in case of requiring that the position of the viewing zone is to be formed to vertical, horizontal and middle directions at the same time, the prism cell has types of truncated triangular pyramid (e), a truncated tetragonal pyramid (f), a truncated pentagonal pyramid (g), a truncated hexagonal pyramid (h), and etc. having various embossing and engraving shapes according to the required number of viewing zones. In this case, the projection on the respective disperse surface should be applied to have same area in order to maintain the same brightness of each viewing zone. And it is preferred that the width of the prism cell is smaller than a width of a single pixel of an image projected on the image projection screen in case that the prism cell has 2-dimensional arrangement. When the width is larger than a single pixel, the resolution is degraded. However, because, when a pitch or the width of the disperse surface is too small, the viewing zones can be overlapped owing to a diffraction of each disperse surface in a multi-viewing case, the width and the number of the disperse surface should be selected to minimize the diffracting phenomena.